SUPERB GAS STOVES

R-3088
Assembly Instructions
Effective Date November, 2001

Model Numbers
ES-100, ES-200, ES-300
MS-100, MS-200, MS-300
(9,000 Btu per Burner)
ES-S100, ES-S200, ES-S300
SE-200, SE-300
(10,000 Btu per Burner)

WARNING
If not assembled, operated and maintained in accordance with the manufacturers instructions, this product could expose you to property damage, personal injury or loss of life from fire, explosion or asphyxiation.

Read all warnings below.

WARNING

1. The following model numbers are for **indoor or outdoor use in Canada**. The following model numbers are for **outdoor use only in United States.**
   ES-100, ES-200, ES-300,
   MS-100, MS-200, MS-300,
   ES-S100, ES-S200, ES-S300.
   Attention: Portable (20 lb.) cylinder can not be used indoors. The following model numbers are for **outdoor use only in Canada and United States.**
   SE-200 and SE-300.
2. Do not leave appliance unattended while in use or hot. Never move cooker while in use or hot.
3. A fire can occur from overheated oil or grease.
4. Oil may heat faster than expected.
5. Use a thermometer to monitor oil temperature.
6. Do not use appliance on or near combustible surfaces, wood decks, storage sheds, garages, shrubbery, trees, houses, etc...
7. Do not cover the pot when heating oil or grease.
8. Should grease fire occur, turn off the gas and cover the pot with the lid.
9. Check every fitting for gas leaks before each use.
10. Never stand over burner while lighting; this could result in serious injury. Carefully follow lighting instructions.
11. Keep children and pets at a safe distance.
12. Never place empty containers over an open flame.
13. Do not attempt to change valve depth into burner or reassemble parts.
14. Never store propane tank in an enclosed area. If cooker is stored in doors after use, disconnect the propane tank for outdoor storage.
15. The Superb regulator and hose assembly must be used, no substitutions. Other regulators or no regulator used at all could result in dangerous gas leakage and improper burner performance.
16. Never install or remove the propane tank while cooker is in use or too hot to touch.
17. Always inspect hose kit before each use. Protect hose from cuts, heat or abrasions. Never use a hose that indicates signs of cracking or damage.
18. Never allow hose to contact any part of the cooker while in use or still hot. Place propane tank from cooker so that the hose length will not be in the way. Keep all connections and fittings clean, replace any damaged parts.
19. Never store the propane tank near high heat, open flames, direct sunlight or where high temperature exist.

Assembly Instructions

REQUIRED TOOLS: Pliers or adjustable wrench and screwdriver.

1. Bolt legs in place by inserting short bolts through holes in corners of main top, then through slot at top of leg. Screw nuts onto the bolts. Attach drip pan using four of the short bolts. Insert bolts through hole in center of leg and through corner of pan. Apply nuts and tighten securely. Now tighten leg bolts.
2. Install manifold clamps. Insert two long bolts through manifold clamp holes in the main top. Attach the two manifold clamps loosely underneath top, using nuts. Place manifold pipe with valves attached into the clamps. Align the gas valves with center of large opening in top. The adjusting hood of the valve should face the rear of the stove. Now tighten the manifold clamps securely. Place the valve knobs on valve stem, making sure that the control valve is in the off position. Knob should be in the vertical position. **Manifold Pipe thread is 3/8 male IPS.**
3. To install burners: If stove is to be used with LP or bottled gas, the air shutter (round metal disc) should be partially opened and then locked in place by tightening the air shutter screw. The hole in open end of burner slides over the adjusting hood of the gas valve. The rear part of the burner is attached to hole underneath main top using long bolts with nuts. Fasten securely.
4. The grates are installed by inserting the two extended legs on grate into corresponding holes in main top on each side of burner opening.
5. Always use teflon tape or thread sealer on pipe threads.

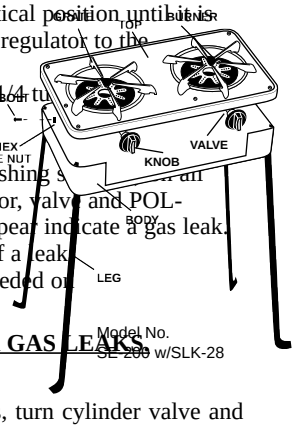
FOR MINI-STOVE MODELS (NUMBER MS-100, MS-200, MS-300))

6. Remove the main top by pulling upward. Install the two manifold clamps, using the long bolts with nuts, to the bottom front of frame. Do not tighten clamps.
7. Insert the manifold pipe with valves attached into the clamps; open end of manifold should extend through hole in left side of frame. Tighten the manifold clamps. Burners are fastened to burner hangers already installed. Then assemble in same manner as above.

CHECK FOR GAS LEAKS

After assembly is complete, connect stove to gas supply and check for gas leaks before lighting. Make sure proper fittings are used for connection. **(To operate gas valve, push in before turning.)**

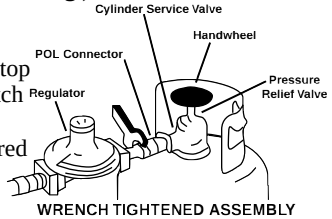
1. Turn brass control valve so knob is in vertical position until it is tight. (This shuts off flow of gas from the regulator to the burner.
2. Open LP cylinder valve or gas supply by 1/4 turn. This pushes gas into the regulator and stops it at the brass control valve.
3. Apply gas detector fluid (or soapy dishwashing solution) to all connections, especially around the regulator, valve and POL-cylinder connection. Any bub-bles that appear indicate a gas leak. If so, turn off gas and tighten the fitting. If a leak persists, pipe thread compound may be needed on the threads.



NEVER USE A FLAME TO CHECK FOR GAS LEAKS

TO LIGHT

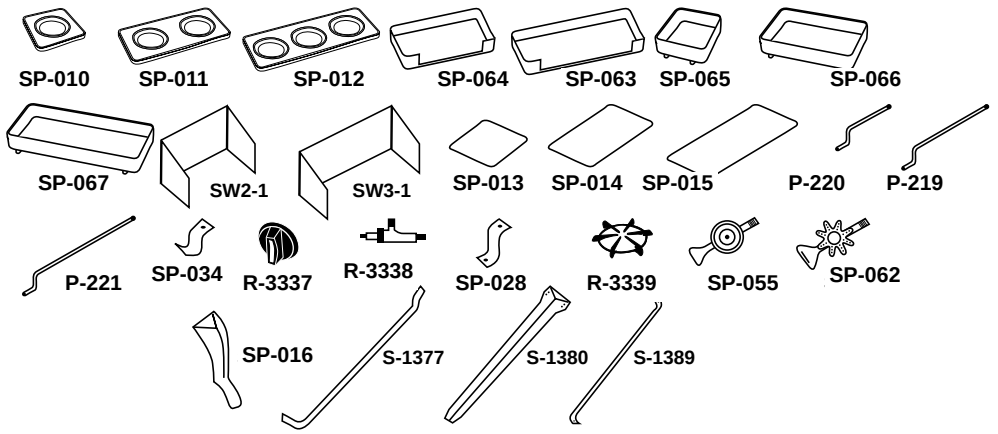
1. When you are sure there are no gas leaks, turn cylinder valve and brass control valve to closed position.
   (To operate gas valve, push in before turning.)
2. Re-open LP cylinder valve fully.
3. Re-open brass control valve 1/4 turn.
4. Keeping hands and face away from the top of the burner, light with a fireplace match or long-nose lighter.
5. Adjust the brass control valve for desired flame height.



WARNING: NEVER PUT HANDS OR FACE DIRECTLY OVER BURNER WHILE LIGHTING

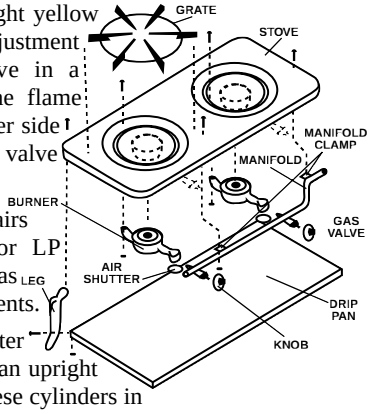
You may adjust valve setting at this time. The flame should show a

SECTIONAL PARTS FOR GAS STOVE



SP-010	One-Burner Top	SP-013	One-Burner Drip Pan	SP-028	Burner hanger
SP-011	Two-Burner Top	SP-014	Two-Burner Drip Pan	R-3339	Grate
SP-012	Three-Burner Top	SP-015	Three-Burner Drip Pan	SP-055	Round Burner
SP-076	One-Burner Semi-Enclosed Frame*	P-220	One-Hole Manifold	SP-062	Star Burner
SP-064	Two-Burner Semi-Enclosed Frame	P-219	Two Hole Manifold	SP-016	6" Low Leg
SP-063	Three Burner Semi-Enclosed Frame	P-221	Three Hole Manifold	S-1377	28" High Leg
SP-065	One-Burner Mini-Stove Frame	SP-034	Manifold Clamp	S-1380	32" High Leg
SP-066	Two-Burner Mini-Stove Frame	R-3337	Knob	S-1388	Leg Brace for 32" High
SP-067	Three-Burner Mini-Stove Frame	R-3338	Gas Valve	SW2-1	Two-Burner Windscreen
* Not Shown				SW3-1	Three-Burner Windscreen

greenish blue inner cone with a slight yellow tip. If necessary, you can make an adjustment by turning the hood of the valve in a counterclockwise direction until the flame performance is satisfactory. See other side for further instructions regarding valve setting.



DO not tamper with or attempt repairs on the burners, frames valves, or LP cylinder. Allow only qualified LP Gas Dealers to make repairs and adjustments.

Always close LP cylinder valve after use. Always use and store bottle in an upright position. Never store or transport these cylinders in an occupied enclosure.

Adjustment Instructions-Universal Gas Valve

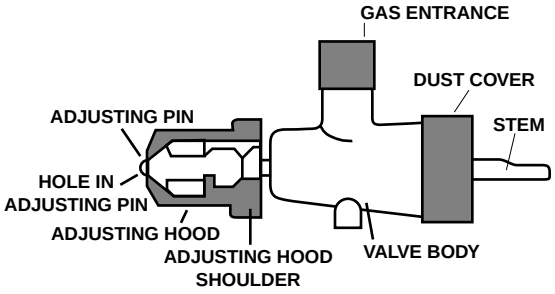
Your portable gas stove is furnished with A.G.A. listed Universal type Gas Valve. This valve is designed for use with (Liquefied Petroleum LPG), Natural or Manufactured Gas. When gas plate is installed the valve should be set for the kind of gas to be used.

The universal valve is adjusted for the various gases by turning the ADJUSTING HOOD. To turn HOOD use wrench on HOOD SHOULDER. This may be done after gas stove is assembled as HOOD SHOULDER is easily accessible.

1. This valve is shipped from the factory adjusted for LP gas. If LP gas is to be used, no adjustments should be necessary. Orifice HOOD can be open slightly to get desired flame.
2. For use with Natural or Manufactured gas open HOOD until the proper amount of gas is fed to each burner. When properly adjusted the flame should have greenish blue inner cones about one-half inch long. An unnecessary high flame is wasteful and inefficient.
3. The air shutter for each burner should be adjusted so the flame burns clean without blowing. After you obtain the correct setting or the air shutter, lock in place by tightening the air shutter screw.

CAUTION: Orifice HOODS must again be turned down, if the gas stove is to be used on LP gas after it has once been adjusted for other gases.

UNDER NO CIRCUMSTANCES SHOULD ANY ALTERATIONS BE MADE TO THE GAS VALVE AND BURNER ASSEMBLY.



Warranty

Empire Comfort Systems, Inc. makes no claim of fitness of this product for a particular purpose or use and assumes no liability for damages resulting from the use of the product. Liability of the manufacturer in any event is limited to the amount of the original purchase price of this product. This warranty applies only to the use of the product in accordance with the manufacturer's operating instructions, and remains in force only so long as the product remains in its original configuration. This warranty does not apply to products that have been altered or repaired by outside agents, abused, damaged through neglect, misuse, or accident, or to products that have been used in any way other than in accordance with manufacturer's operating instructions. There are no other warranties, expressed or implied, pertaining to this product or any other product sold by us. Empire Comfort Systems, Inc. neither assumes any responsibility in its behalf for operation of this or any other product manufactured or sold.

CAUTION: MAXIMUM WORKING PRESSURE 1/2 P.S.I. 11-INCH WATER COLUMN (LOW PRESSURE REGULATOR IS REQUIRED)